

NEWS 44 Feb 24 METADEX enhancements
NEWS 45 Feb 24 PCTGEN now available on STN
NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 50 Mar 19 APOLLIT offering free connect time in April 2003
NEWS 51 Mar 20 EVENTLINE will be removed from STN

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 17:21:09 ON 20 MAR 2003

=> file registry

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:21:23 ON 20 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2003 HIGHEST RN 500101-42-8
DICTIONARY FILE UPDATES: 19 MAR 2003 HIGHEST RN 500101-42-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653lxm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUIDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUIDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated

=> e sgsgsgsgsgsgsg/sqep

E1 1 SGGSGSGSGSGSGSGSGSGSGSG/SQEP
E2 1 SGGSGGTTVIEDLDITIDGADGPITISEELTISGAGAGGSGPGGAGPGGVGPGGSGPGGV
GPGGSGPGGVGPGGAGGPYPGGS GPGGAGGAGPGGAYGPGGSGPGGAGGPYPGPGGEG
PGGAGGPYPGPGGEGPGGAGGPYPGPGAGGPYPGPGAGGPYPGPGAGGPYPGPGAGGPYPG
GGVGPGGTGPGGYGPGGAGP/SQEP
E3 0 --> SGGSGSGGQSGGSG/SQEP
E4 1 SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS/SQEP
E5 1 SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS/SQEP
E6 1 SGGSGSGGQSGGSGSGGQSGLRS/SQEP
E7 1 SGGSGSGGQSGLRS/SQEP
E8 1 SGGSGSGGSG/SQEP
E9 1 SGGSGSGGSGSGGSG/SQEP
E10 1 SGGSGSGYGG/SQEP
E11 1 SGGSGSHGSS/SQEP
E12 1 SGGSGSSSGS/SQEP

=> e SGGSGSGGQSGGSGsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsgsglrs/SQEP

E1 1 SGGSGSGSGSGSGSGSGSGSGSG/SQEP
E2 1 SGGSGGTTVIEDLDITIDGADGPITISEELTISGAGAGGSGPGGAGPGGVGPGGSGPGGV
GPGGSGPGGVGPGGAGGPYPGGS GPGGAGGAGPGGAYGPGGSGPGGAGGPYPGPGGEG
PGGAGGPYPGPGGEGPGGAGGPYPGPGAGGPYPGPGAGGPYPGPGAGGPYPGPGAGGPYPG
GGVGPGGTGPGGYGPGGAGP/SQEP
E3 1 --> SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS/SQEP
E4 1 SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS/SQEP
E5 1 SGGSGSGGQSGGSGSGGQSGLRS/SQEP
E6 1 SGGSGSGGQSGLRS/SQEP
E7 1 SGGSGSGGSG/SQEP
E8 1 SGGSGSGGSGSGGSG/SQEP
E9 1 SGGSGSGYGG/SQEP
E10 1 SGGSGSHGSS/SQEP
E11 1 SGGSGSSSGS/SQEP
E12 1 SGGSGTPG/SQEP

=> s e3

1 SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS/SQEP
34478 SQL=50
L1 1 (SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS)/SQEP
(SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGLRS/SQEP AND S
QL=50)

=> d all

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 380305-33-9 REGISTRY

CN L-Serine, L-serylglcylglycyl-L-serylglcyl-L-serylglcylglycyl-L-
glutaminyl-L-serylglcylglycyl-L-serylglcyl-L-serylglcylglycyl-L-
glutaminyl-L-serylglcylglycyl-L-serylglcyl-L-serylglcylglycyl-L-
glutaminyl-L-serylglcylglycyl-L-serylglcyl-L-serylglcylglycyl-L-
glutaminyl-L-serylglcylglycyl-L-serylglcyl-L-serylglcylglycyl-L-
glutaminyl-L-serylglcyl-L-leucyl-L-arginyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 54: PN: WO0192300 SEQID: 22 claimed protein

CN Linker peptide (synthetic 50-amino acid)

FS PROTEIN SEQUENCE

SQL 50

PATENT ANNOTATIONS (PNTE):

Sequence |Patent

Source |Reference

Not Given|WO2001092300

claimed
SEQID 22

SEQ 1 SGGSGSGGQS GSGSGGGQSG GSGSGGGQSGG SGGSGGQSGGS GSGGQSGLRS

HITS AT: 1-50

SEQ3 1 Ser-Gly-Gly-Ser-Gly-Ser-Gly-Gly-Gln-Ser-

11 Gly-Gly-Ser-Gly-Ser-Gly-Gly-Gln-Ser-Gly-

21 Gly-Ser-Gly-Ser-Gly-Gly-Gln-Ser-Gly-Gly-

31 Ser-Gly-Ser-Gly-Gly-Gln-Ser-Gly-Gly-Ser-

41 Gly-Ser-Gly-Gly-Gln-Ser-Gly-Leu-Arg-Ser

HITS AT: 1-50

MF C140 H228 N58 O73

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1

AN 136:34279 CA

TI Chimeric GFP-aequorin as bioluminescent Ca⁺⁺ reporters at the single cell level

IN Baubet, Valerie; Le Mouellic, Herve; Brulet, Philippe

PA Institut Pasteur, Fr.; Centre National De La Recherche Scientifique

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07K014-00

CC 9-5 (Biochemical Methods)

Section cross-reference(s): 3, 6, 12, 13

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001092300	A2	20011206	WO 2001-EP7057	20010601
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WO 2001092300	A3	20021107		
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1292613	A2	20030319	EP 2001-949426	20010601
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI US 2000-208314P 20000601

US 2000-210526P 20000609

US 2000-255111P 20001214

WO 2001-EP7057 20010601

- AB A modified bioluminescent system comprises a fluorescent mol. covalently linked with a photoprotein, wherein said link between the two proteins has the function to stabilize the modified bioluminescent system and allowing the transfer of the energy by Chemiluminescence Resonance Energy Transfer (CRET). Green fluorescent protein (GFP)-aequorin fusion proteins were prepd. to increase the quantum yield of Ca^{++} -induced bioluminescence. Chemiluminescent and fluorescent activities of these fusion proteins were assessed in mammalian cells. Cytosolic Ca^{++} increases were imaged at the single cell level with a cooled intensified CCD camera. Studies were made in dissociated neurons and in *Xenopus* embryos.
- ST chimeric GFP aequorin bioluminescence calcium cell; green fluorescent protein aequorin chimera; neuron calcium GFP aequorin fusion protein bioluminescence; *Xenopus* embryo calcium GFP aequorin chimera reporter
- IT Synaptotagmin
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (I, fusion proteins with GFP and aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2507; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2508; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2509; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2510; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2511; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2512; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids
 (No. I-2513; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Embryo, animal
 (*Xenopus*; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Viral vectors
 (adenovirus vectors; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Aequorins
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
 (apoequorins, fusion proteins with green fluorescent protein; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Mammalia
 Vertebrata
 (assay in; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Analysis
 (biochem.; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Luminescence spectroscopy
 (bioluminescence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Structure-activity relationship

- (calcium-triggered bioluminescence, linker peptides effect on; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Resonance energy transfer
(chemiluminescence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Analysis
 - Animal tissue culture
 - Bioassay
 - Cell
 - DNA sequences
 - Drug screening
 - Luminescence, bioluminescence
 - Protein sequences
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Reporter gene
RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Chimeric gene
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Xenopus
(embryos; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Gene, microbial
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
(for enhanced green fluorescent protein and aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Aequorins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
(fusion proteins with green fluorescent protein; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(green fluorescent, enhanced green fluorescent proteins, mutagenesis and chimeric protein prepn. from; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Proteins
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
(green fluorescent, fusion proteins with aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Peptides, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(linkers; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Nerve, neoplasm
(neuroblastoma, transfection of cells of; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Nerve
(neuron; chimeric GFP-aequorin as bioluminescent calcium ion reporters

- at single cell level)
- IT Spinal cord
(neurons of rat; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Biological transport
(of calcium; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Fusion proteins (chimeric proteins)
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
(of green fluorescent protein and aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380231-05-0 380231-06-1 380231-07-2 380231-08-3 380231-09-4 380231-10-7
RL: PRP (Properties)
(amino acid sequence of linker peptide; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-25-2P 380287-26-3P 380287-27-4P 380287-28-5P 380287-29-6P 380287-30-9P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation)
(amino acid sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380305-33-9
RL: PRP (Properties)
(amino acid sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 7440-70-2, Calcium, analysis
RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-23-0 380287-24-1
RL: PRP (Properties)
(nucleotide sequence of linker peptide; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-31-0P 380287-32-1P 380287-33-2P 380287-34-3P 380287-35-4P 380287-36-5P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation)
(nucleotide sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-37-6 380287-38-7 380287-39-8
RL: PRP (Properties)
(nucleotide sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380299-21-8 380299-22-9
RL: PRP (Properties)
(unclaimed nucleotide sequence; chimeric GFP-aequorin as bioluminescent Ca⁺⁺ reporters at the single cell level)
- IT 380299-23-0 380299-24-1 380299-25-2 380299-26-3 380299-27-4 380299-28-5 380299-29-6 380299-30-9 380299-31-0 380299-32-1 380299-33-2 380299-34-3 380299-35-4
RL: PRP (Properties)
(unclaimed sequence; chimeric GFP-aequorin as bioluminescent Ca⁺⁺ reporters at the single cell level)